WHAT IS CLAIMED IS:

1. A method of inducing a T_H1 polarised immune response to an antigen, comprising parenterally administering to a subject microparticles sized such that at least 50% of the microparticles are less than 5 μm, the microparticles comprising the antigen entrapped or encapsulated by a biodegradable polymer.

2. The method of Claim 1, wherein the microparticles are sized such that at least 50% of the microparticles are less than 3 μm.

3. The method of Claim 1, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid or enantiomers thereof.

4. The method of Claim 1, wherein the microparticles are formed using a solvent evaporation method.

5. The method of Claim 1, wherein the antigen comprises a *B. pertussis* antigen.

6. The method of Claim 1, wherein the parenteral administration is selected from the group consisting of intraperitoneal administration, subcutaneous administration and intramuscular administration.

7. A method of inducing a T_H2 polarised immune response to an antigen, comprising parenterally administering to a subject nanoparticles sized such that at least 50% of the nanoparticles are less than 600 nm, the nanoparticles comprising the antigen entrapped or encapsulated by a biodegradable polymer.

8. The method of Claim 7, wherein the nanoparticles are sized such that at least 50% of the nanoparticles are less than 500 nm.

9. The method of Claim 7, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid or enantiomers thereof.

10. The method of Claim 7, wherein the nanoparticles are formed using a coacervation method

11. The method of Claim 7, wherein the antigen comprises a *B. pertussis* antigen.

12. The method of Claim 7, wherein the parenteral administration is selected from the group consisting of intraperitoneal administration, subcutaneous administration and intramuscular administration.

13. A method of inducing a combined T_H1 and T_H2 immune response to an antigen, comprising parenterally administering to a subject

a) the antigen entrapped or encapsulated by a biodegradable polymer to form microparticles sized such that at least 50% of the microparticles are less than 5 μm;

in combination with

b) the antigen entrapped or encapsulated by a biodegradable polymer to form nanoparticles sized such that at least 50% of the nanoparticles are less than 600 nm.

14. The method of Claim 13, wherein the microparticles are administered simultaneously, separately, or sequentially with the nanoparticles.

15. A vaccine formulation for enhancing the T_H1 immune response to at least one antigen and adapted for parenteral administration comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of microparticles sized such that at least 50% of the microparticles are less than 5 μm, the microparticles comprising the at least one antigen entrapped or encapsulated by a biodegradable polymer.

16. The vaccine formulation of Claim 15, wherein the microparticles are sized such that at least 50% of the microparticles are less than 3 μm.

17. The vaccine formulation of Claim 15, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid and enantiomers thereof.

18. The vaccine formulation of Claim15, wherein the microparticles are formed using a solvent evaporation method.

19. The vaccine formulation of Claim 15, wherein the at least one antigen comprises a *B. pertussis* antigen.

20. The vaccine formulation of Claim 15, wherein the microparticles comprise at least 2 subpopulations of microparticles, each subpopulation comprising a different antigen entrapped or encapsulated by a biodegradable polymer.

21. A vaccine formulation for enhancing the T_H2 immune response to at least one antigen and adapted for parenteral administration comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of nanoparticles sized such that at least 50% of the nanoparticles are less than 600 nm, the nanoparticles comprising the at least one antigen entrapped or encapsulated by a biodegradable polymer.

22. The vaccine formulation of Claim 21, wherein the nanoparticles are sized such that at least 50% of the nanoparticles are less than 500 nm.

23. The vaccine formulation of Claim 21, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid and enantiomers thereof.

24. The vaccine formulation of Claim 21, wherein the nanoparticles are formed using a coacervation method.

25. The vaccine formulation of Claim 21, wherein the at least one antigen comprises a *B. pertussis* antigen.

26. The vaccine formulation of Claim 21, wherein the nanoparticles comprise at least 2 subpopulations of nanoparticles, each subpopulation comprising a different antigen entrapped or encapsulated by a biodegradable polymer.

27. A method of providing protective immunity against *B. pertussis*, comprising parenterally administering to a subject a pharmaceutically effective amount of microparticles sized such that at least 50% of the microparticles are less than 5 μm, the microparticles comprising at least one *B. pertussis* antigen entrapped or encapsulated by a biodegradable polymer.

28. The method of Claim 27, wherein the microparticles are sized such that at least 50% of the microparticles are less than 3 μm.

29. The method of Claim 27, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid and enantiomers thereof and wherein the microparticles are formed using a solvent evaporation method.

30. The method of Claim 27, wherein the at least one *B. pertussis* antigen is selected from the group consisting of inactivated pertussis toxin (PTd), filmentous hemaglutinin (FHA), pertactin and fimbrae and combinations thereof.

31. A method of providing protective immunity against *B. pertussis*, comprising parenterally administering to a subject a pharmaceutically effective amount of nanoparticles sized such that at least 50% of the nanoparticles are less than 600 nm, the nanoparticles comprising at least one *B. pertussis* antigen entrapped or encapsulated by a biodegradable polymer.

32. The method of Claim 31, wherein the nanoparticles are sized such that at least 50% of the nanoparticles are less than 500 nm.

33. The method of Claim 31, wherein the biodegradable polymer comprises a copolymer of lactic acid and glycolic acid and enantiomers thereof and wherein the nanoparticles are formed using a coacervation method.

34. The method of Claim 31, wherein the at least one *B. pertussis* antigen is selected from the group consisting of inactivated pertussis toxin (PTd), filmentous hemaglutinin (FHA), pertactin and fimbrae and combinations thereof.